

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104077.D
 Acq On : 30 Mar 2018 3:58
 Operator : JU/SJ
 Sample : J2122-10 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 06:53:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

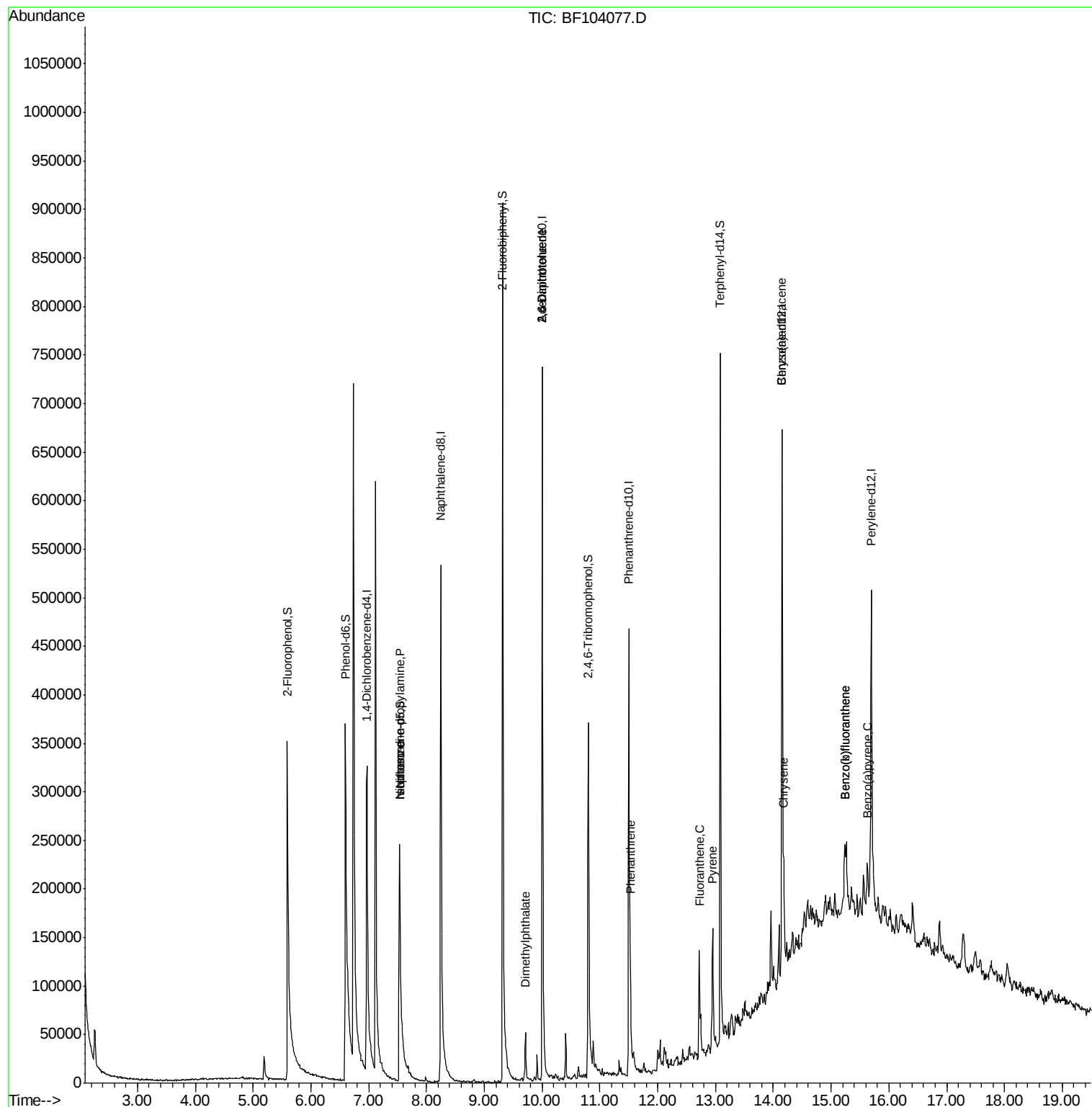
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	103608	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	431650	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	182253	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	258876	20.00	ng	0.00
75) Chrysene-d12	14.15	240	239665	20.00	ng	0.00
86) Perylene-d12	15.70	264	217369	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	279438	43.01	ng	0.00
7) Phenol-d6	6.60	99	405784	50.77	ng	0.00
23) Nitrobenzene-d5	7.53	82	232775	32.98	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	75291	37.10	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	422029	36.52	ng	0.00
78) Terphenyl-d14	13.08	244	282568	27.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	25647	5.407	ng	# 75
25) Isophorone	7.53	82	232775	17.895	ng	# 64
49) Dimethylphthalate	9.71	163	33732	2.344	ng	# 99
50) 2,6-Dinitrotoluene	10.00	165	22635	7.312	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	22919	5.802	ng	# 24
70) Phenanthrene	11.53	178	35074	2.502	ng	# 98
74) Fluoranthene	12.72	202	66034	4.432	ng	# 99
77) Pyrene	12.95	202	63815	3.704	ng	# 99
80) Benzo(a)anthracene	14.14	228	38009	2.535	ng	# 92
82) Chrysene	14.18	228	36597	2.492	ng	# 96
87) Benzo(b)fluoranthene	15.23	252	56036	4.236	ng	# 84
88) Benzo(k)fluoranthene	15.23	252	56036	4.497	ng	# 87
89) Benzo(a)pyrene	15.63	252	32791	2.675	ng	# 82

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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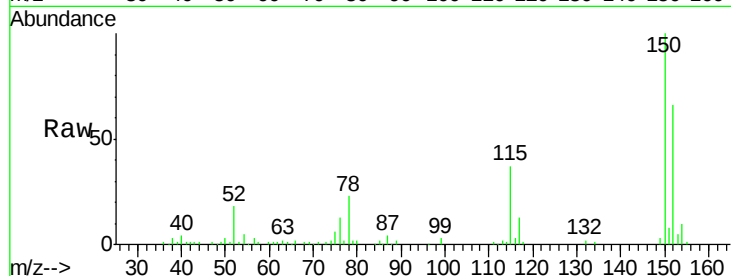


#1

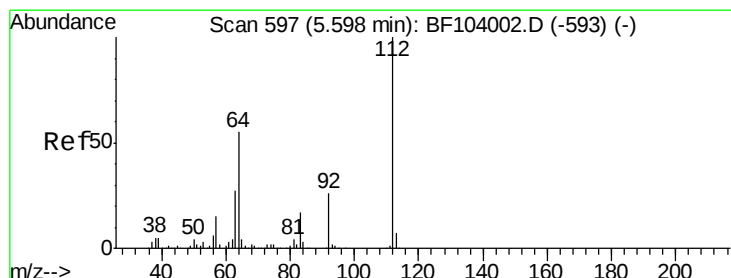
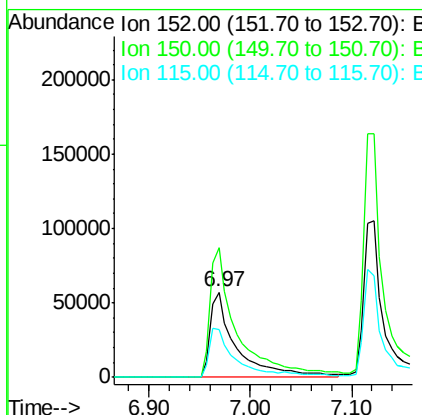
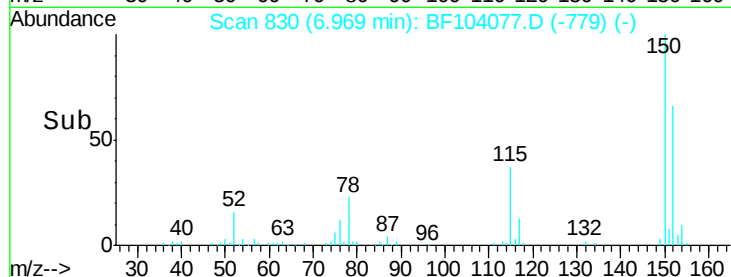
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	186.8
115	56.6	50.1	75.1



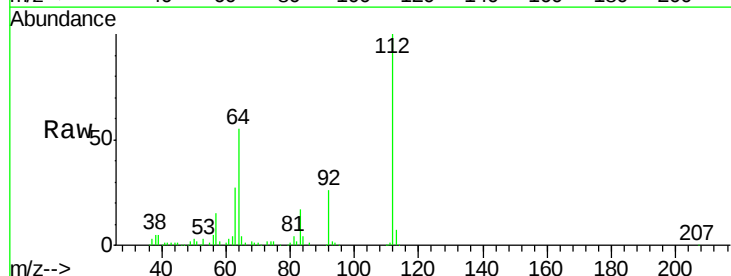
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



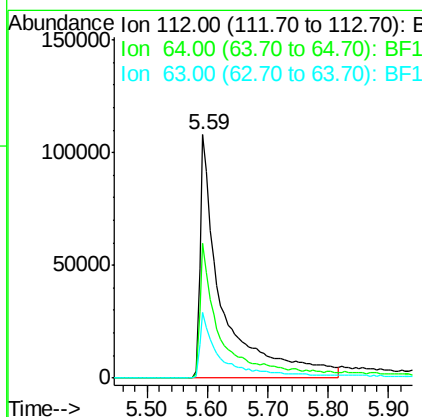
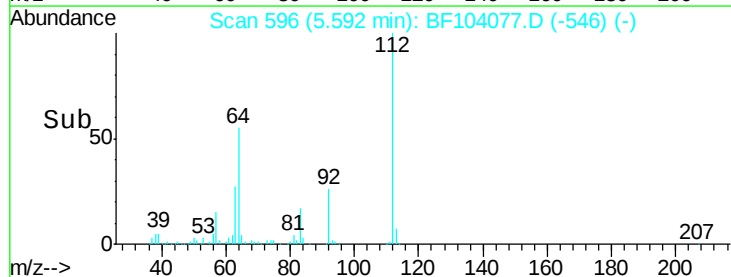
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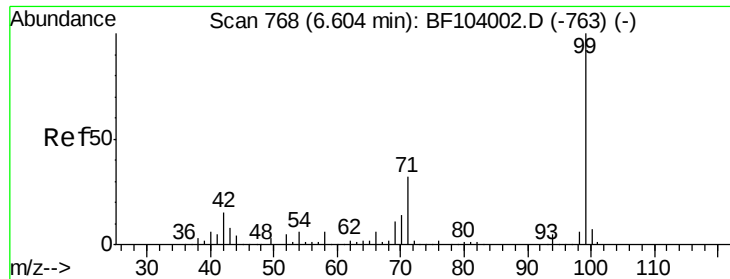
2-Fluorophenol
Concen: 43.011 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.9	71.9
63	27.1	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 50.767 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104077.D

Acq: 30 Mar 2018 3:58

Instrument :

BNA_F

ClientSampleId :

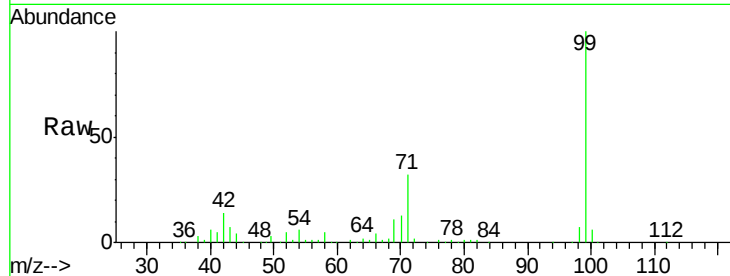
Tot Ion: 99 Resp: 405784

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7#

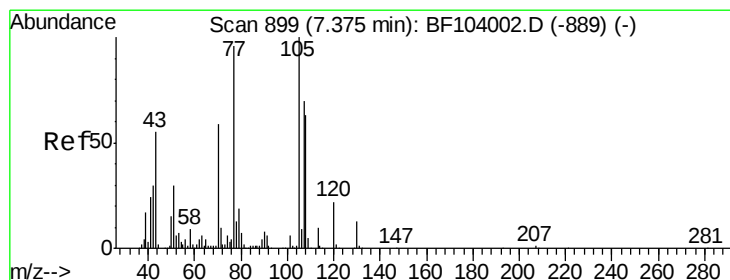
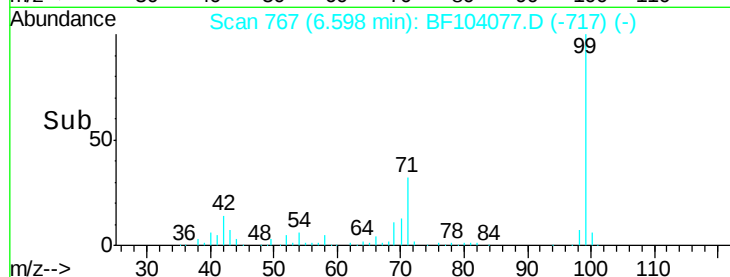
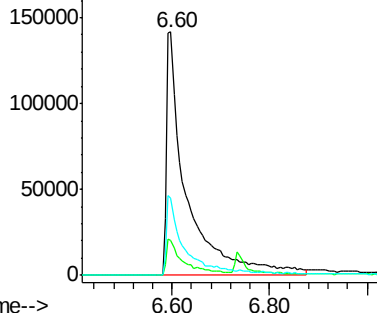
71 31.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 5.407 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.16 min

Lab File: BF104077.D

Acq: 30 Mar 2018 3:58

Tgt Ion: 70 Resp: 25647

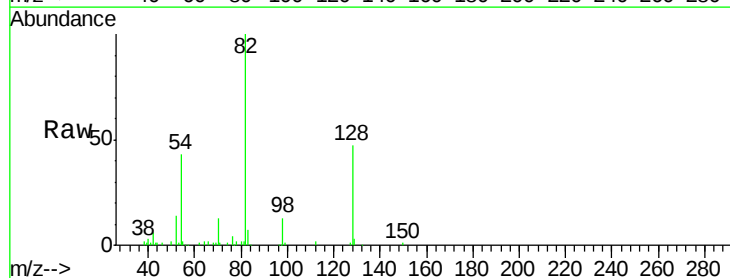
Ion Ratio Lower Upper

70 100

42 45.7 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

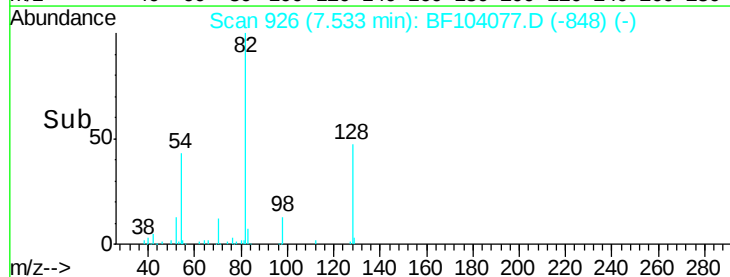
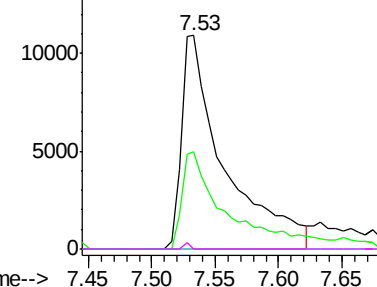


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

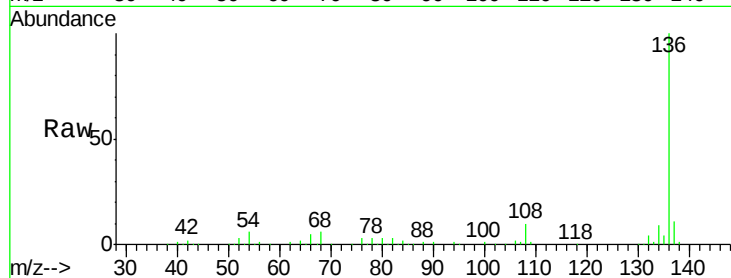




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.3	6.6	9.8
68	5.7	5.0	7.4



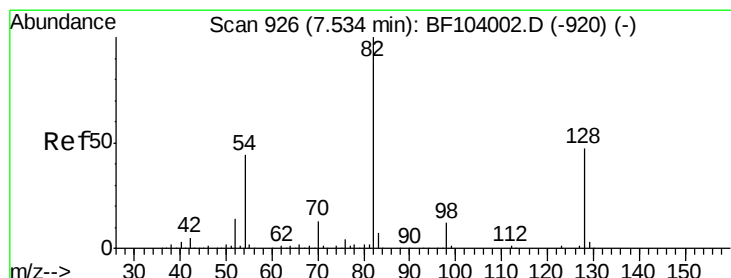
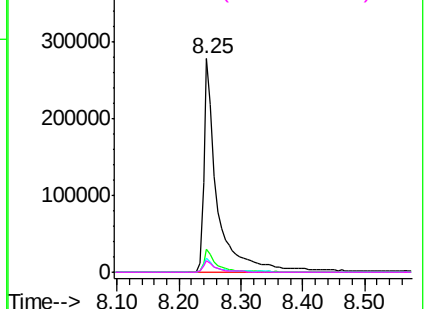
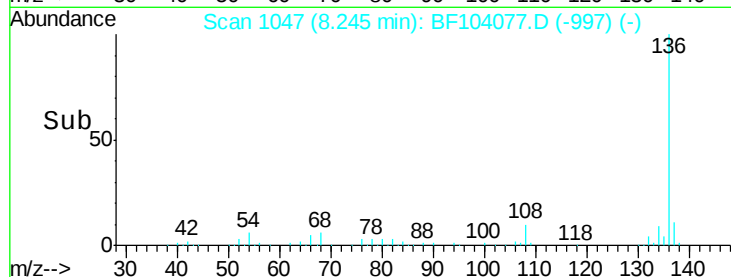
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

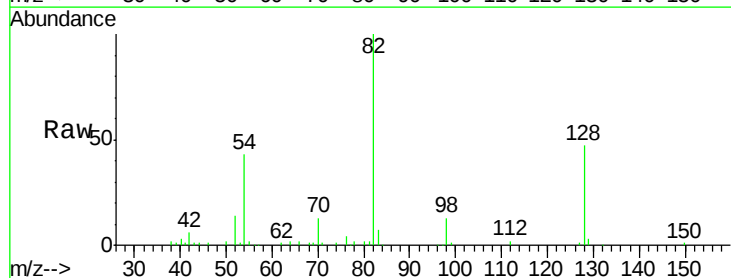
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23
Nitrobenzene-d5
Concen: 32.979 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.1	54.1
54	42.7	41.4	62.2

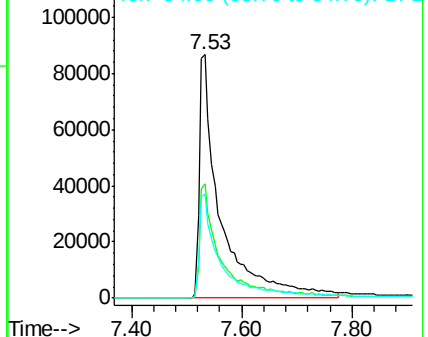
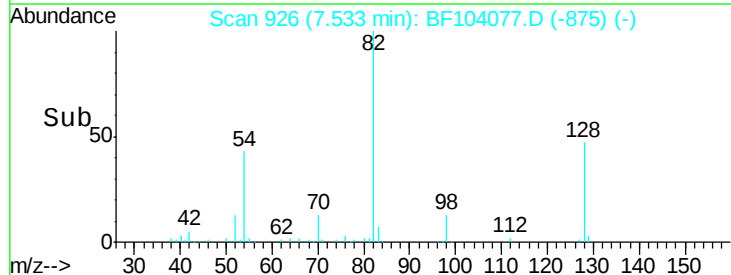


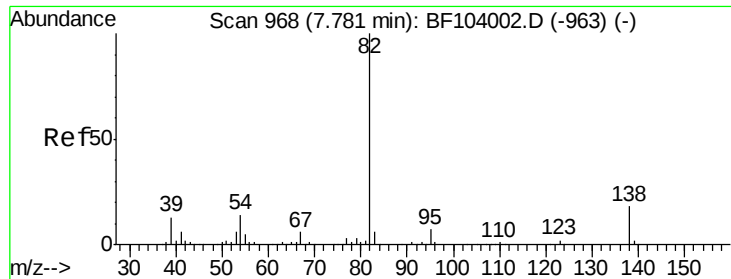
Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

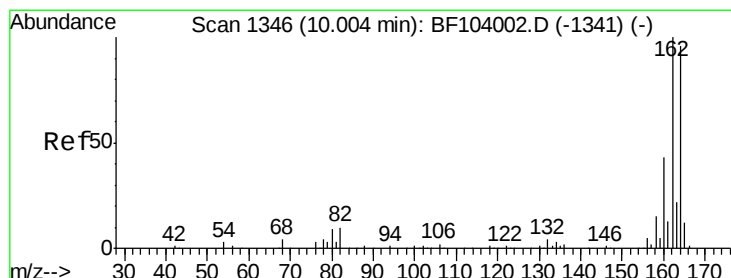
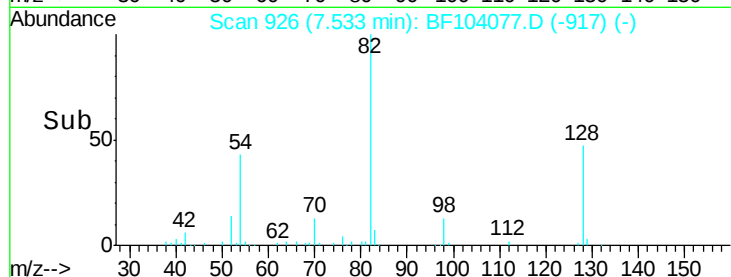
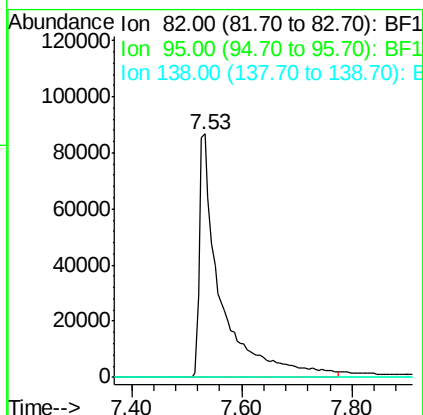
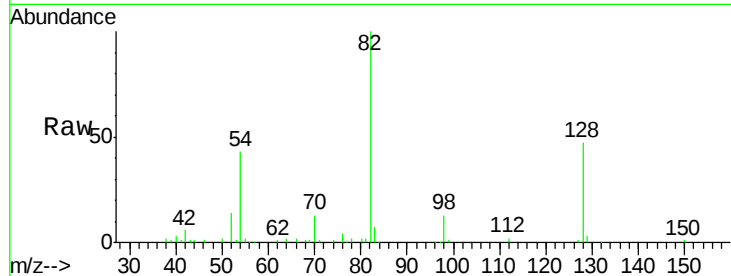




#25
Isophorone
Concen: 17.895 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.25 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

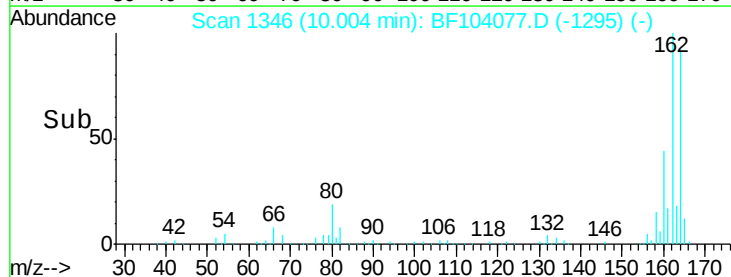
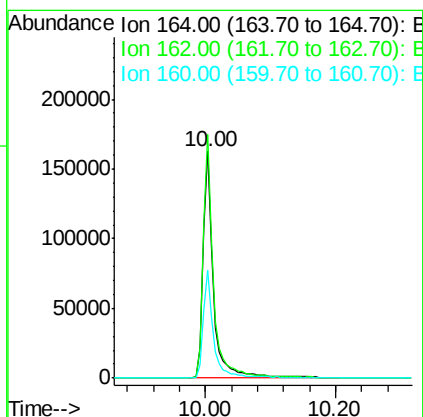
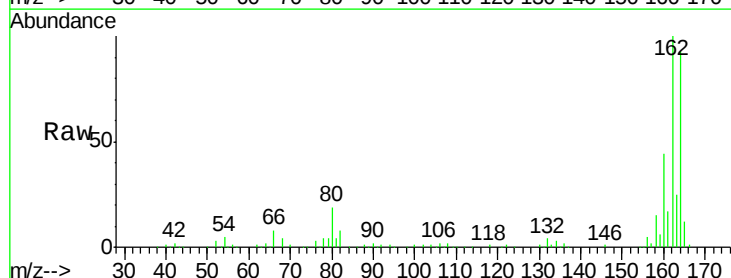
Instrument :
BNA_F
ClientSampled :

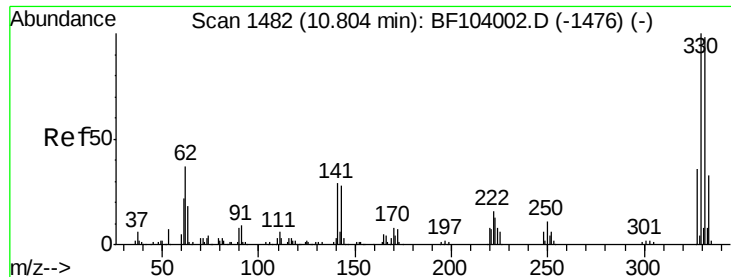
Tot Ion: 82 Resp: 232775
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

Tgt Ion:164 Resp: 182253
Ion Ratio Lower Upper
164 100
162 107.5 86.1 129.1
160 47.5 38.3 57.5

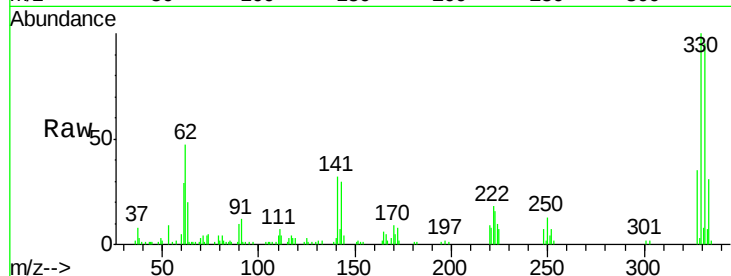




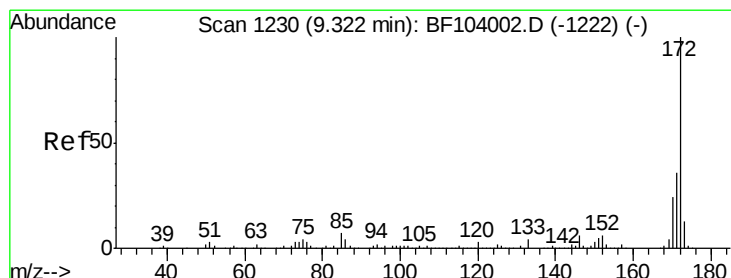
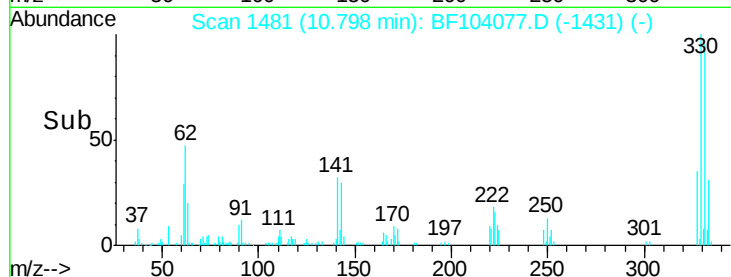
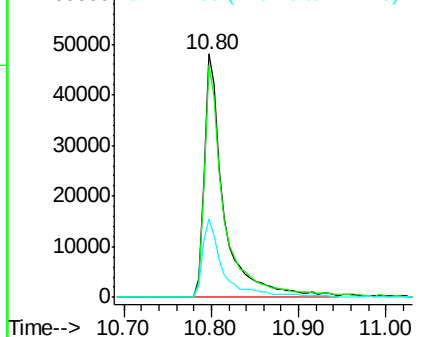
#41
 2,4,6-Tribromophenol
 Concen: 37.100 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104077.D
 Acq: 30 Mar 2018 3:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 75291
 Ion Ratio Lower Upper
 330 100
 332 98.4 77.0 115.6
 141 34.4 29.9 44.9

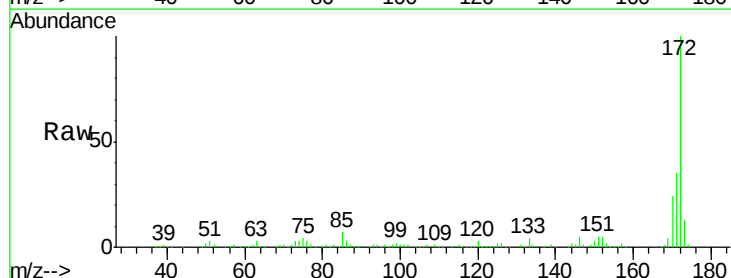


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

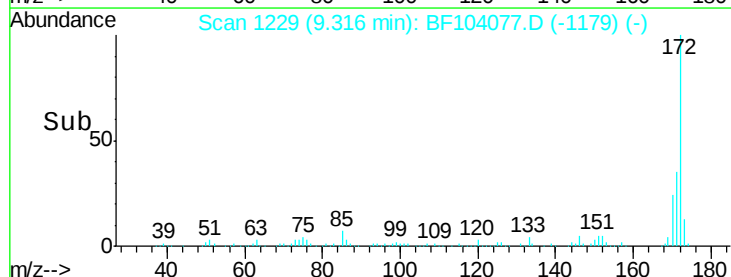
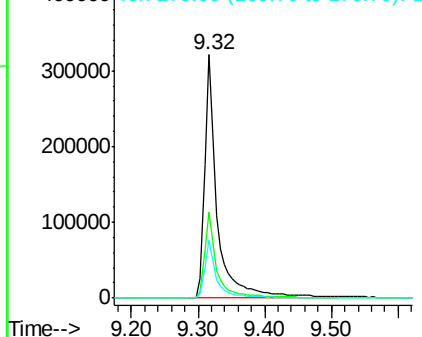


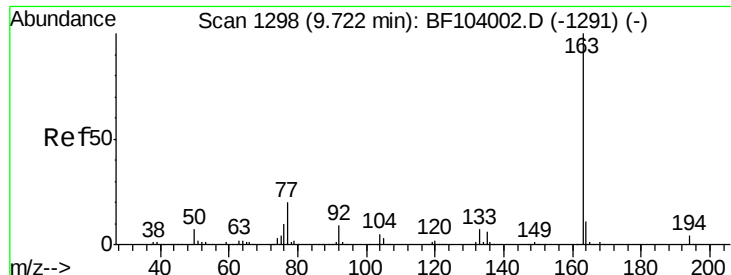
#44
 2-Fluorobiphenyl
 Concen: 36.515 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104077.D
 Acq: 30 Mar 2018 3:58

Tgt Ion:172 Resp: 422029
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 23.6 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

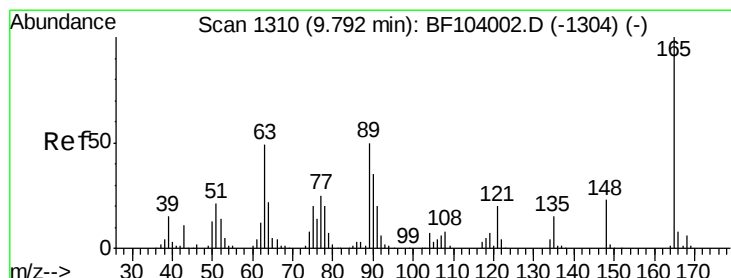
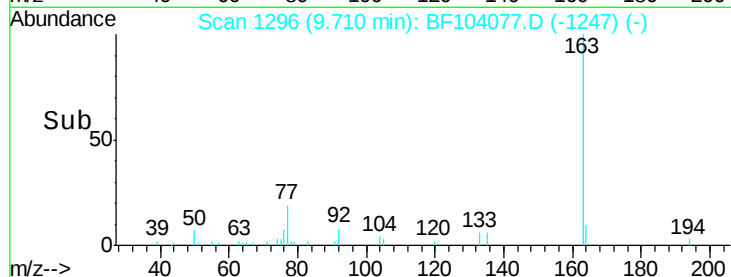
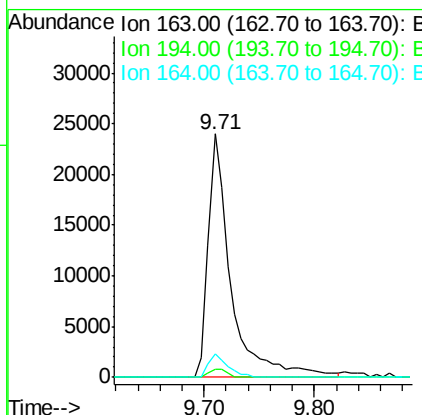
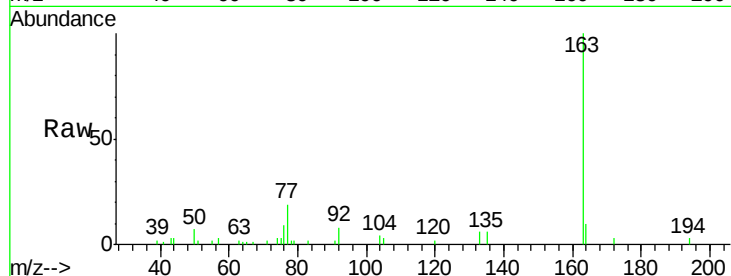




#49
Dimethylphthalate
Concen: 2.344 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

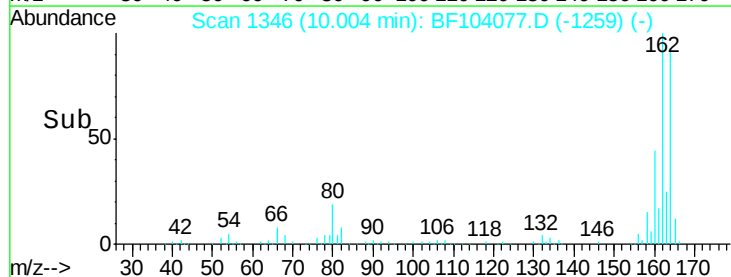
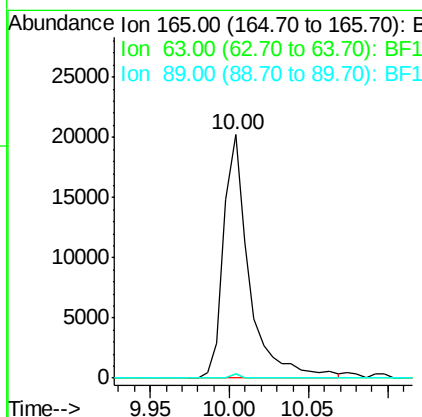
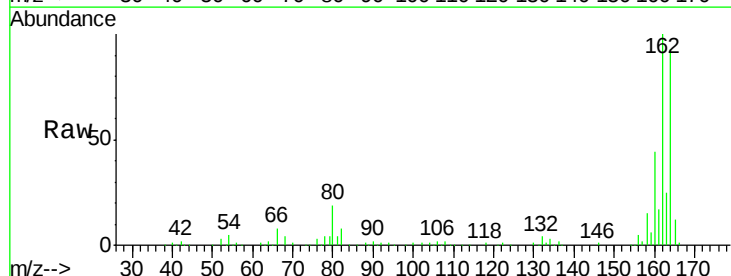
Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 33732
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.8 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.312 ng
RT: 10.00 min Scan# 1346
Delta R.T. 0.21 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

Tgt Ion:165 Resp: 22635
Ion Ratio Lower Upper
165 100
63 1.9 44.7 67.1#
89 2.0 44.0 66.0#

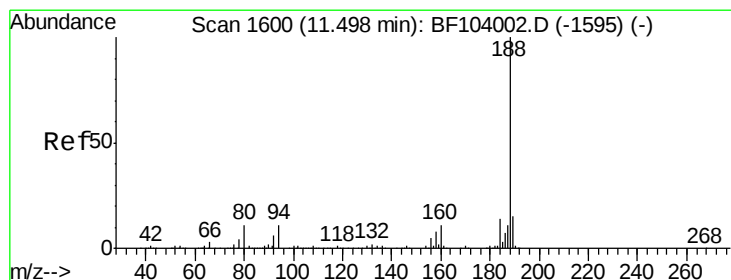
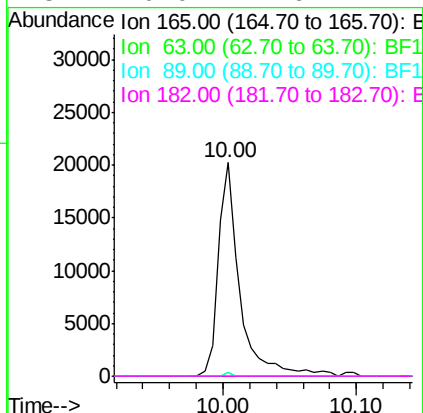
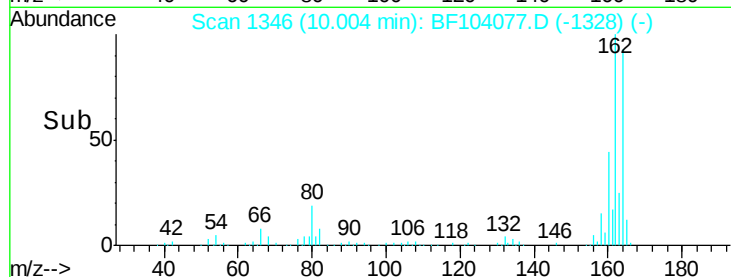
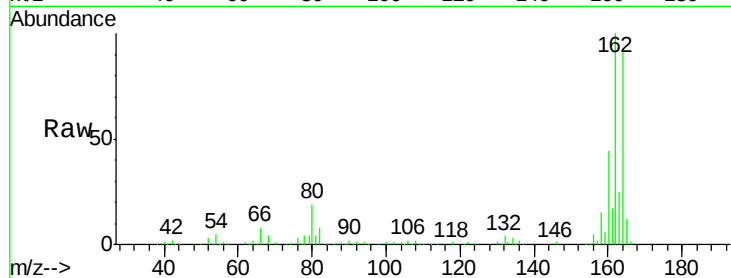




#56
2,4-Dinitrotoluene
Concen: 5.802 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.19 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

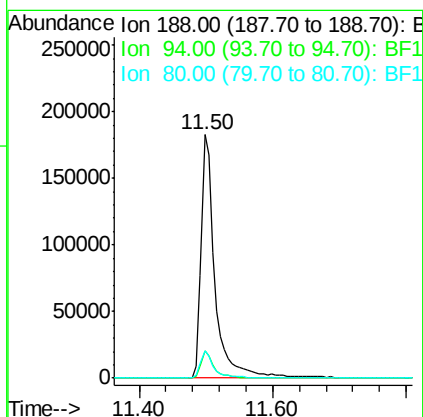
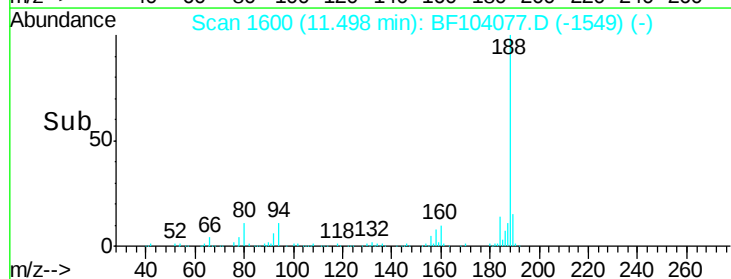
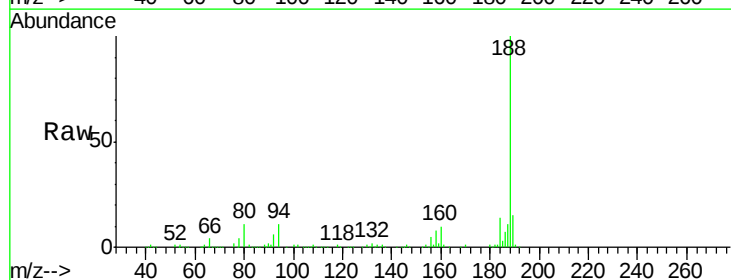
Instrument :
BNA_F
ClientSampleId :

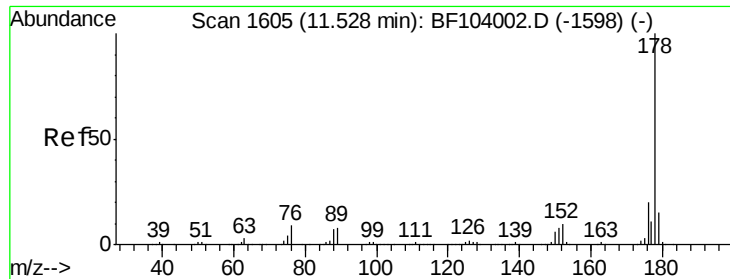
Tot Ion:165	Resp:	22919
Ion Ratio	Lower	Upper
165	100	
63	1.9	36.4 54.6#
89	2.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

Tgt Ion:188	Resp:	258876
Ion Ratio	Lower	Upper
188	100	
94	11.1	8.5 12.7
80	11.4	9.2 13.8





#70

Phenanthrene

Concen: 2.502 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.00 min

Lab File: BF104077.D

Acq: 30 Mar 2018 3:58

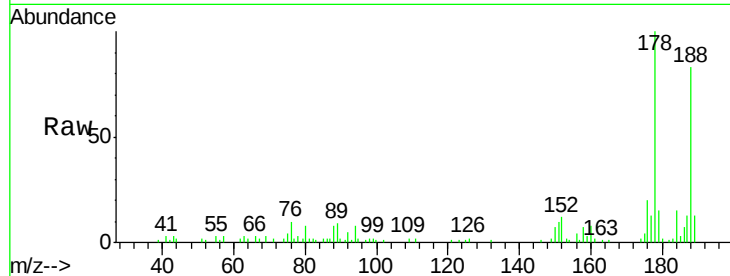
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 35074

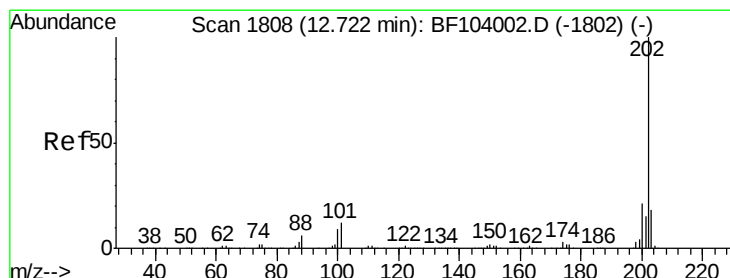
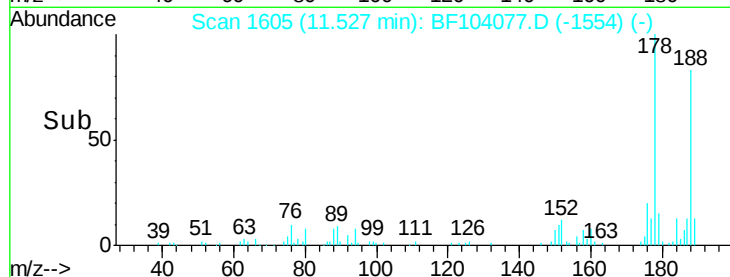
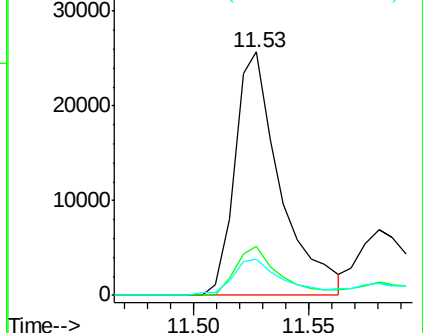
Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.0	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 4.432 ng

RT: 12.72 min Scan# 1808

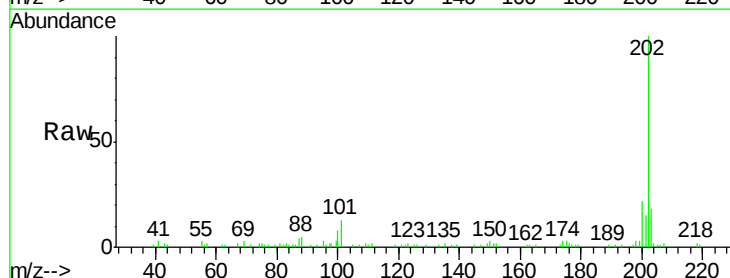
Delta R.T. -0.00 min

Lab File: BF104077.D

Acq: 30 Mar 2018 3:58

Tgt Ion:202 Resp: 66034

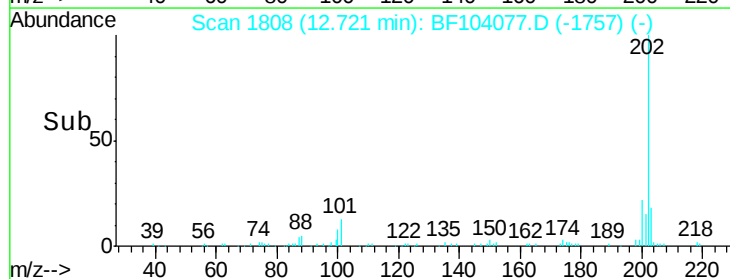
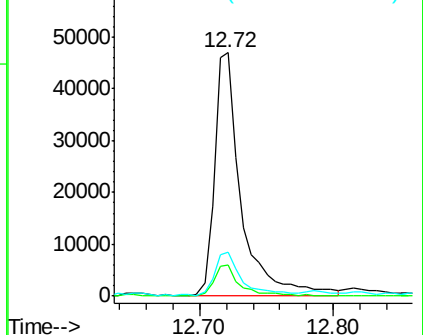
Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	18.2	0.0	38.1

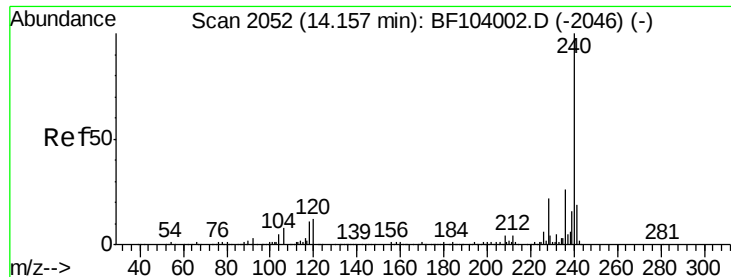


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF104077.D

Acq: 30 Mar 2018 3:58

Instrument :

BNA_F

ClientSampled :

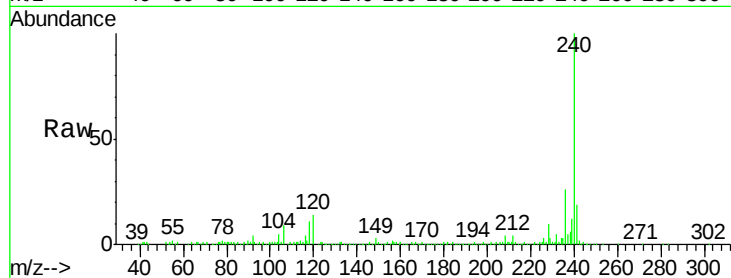
Tot Ion:240 Resp: 239665

Ion Ratio Lower Upper

240 100

120 13.7 9.5 14.3

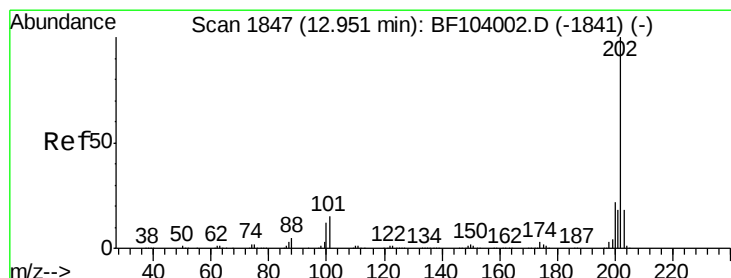
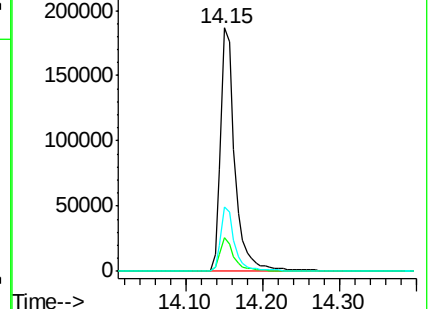
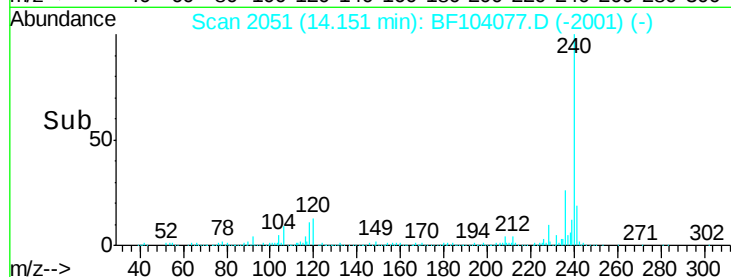
236 26.3 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.704 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104077.D

Acq: 30 Mar 2018 3:58

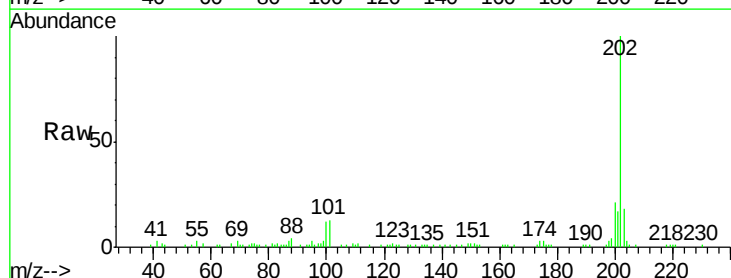
Tgt Ion:202 Resp: 63815

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

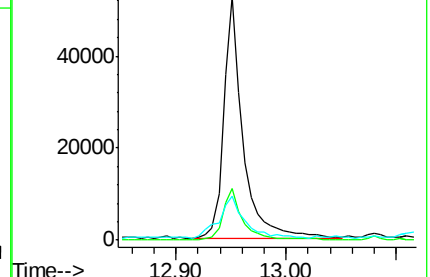
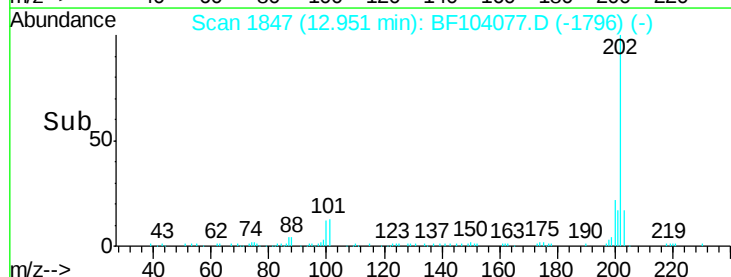
203 18.1 14.3 21.5

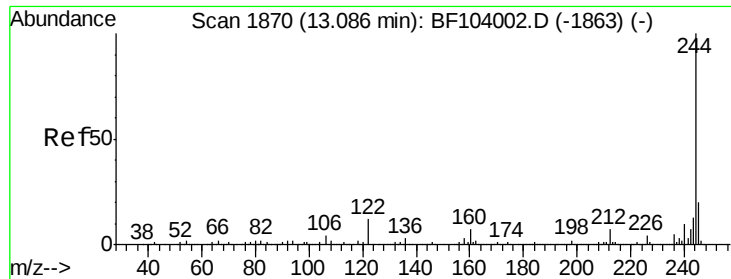


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 27.223 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104077.D

Acq: 30 Mar 2018 3:58

Instrument :

BNA_F

ClientSampleId :

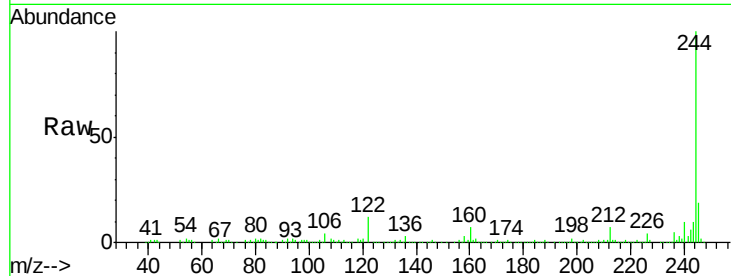
Tot Ion:244 Resp: 282568

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

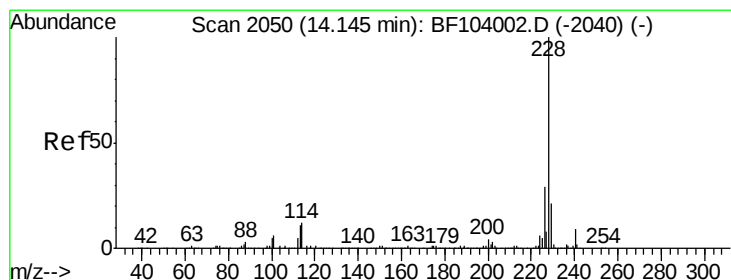
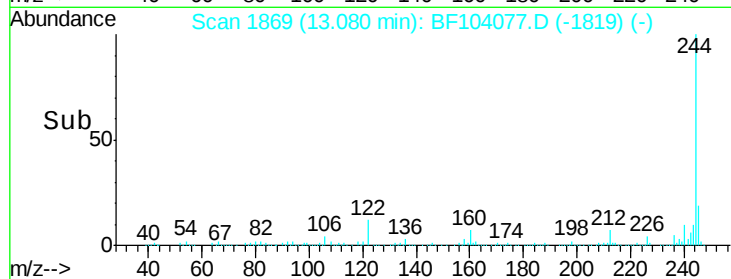
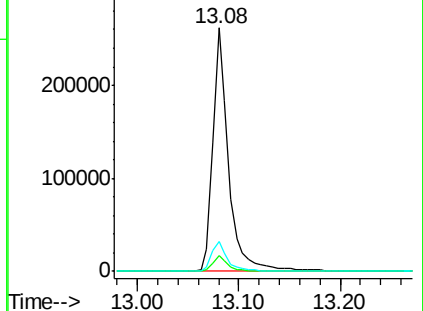
122 12.0 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.535 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF104077.D

Acq: 30 Mar 2018 3:58

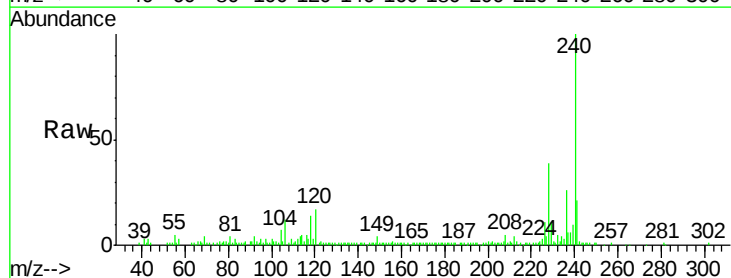
Tgt Ion:228 Resp: 38009

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

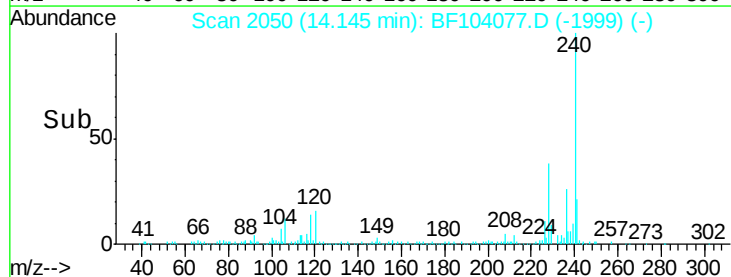
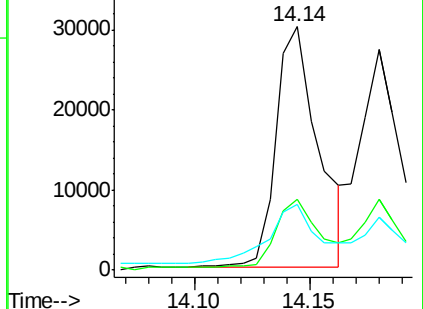
229 27.0 15.8 23.6#

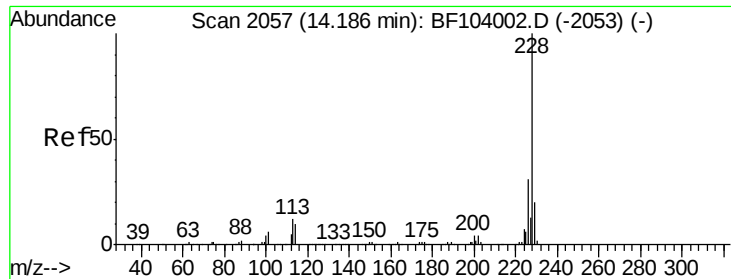


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

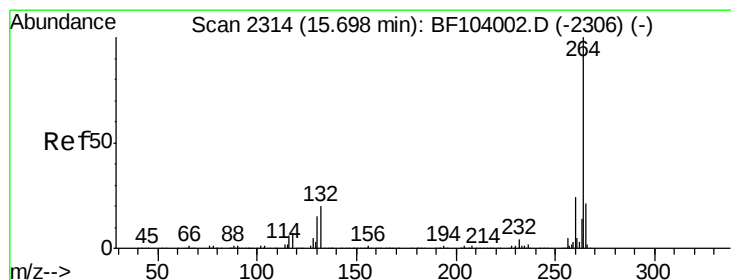
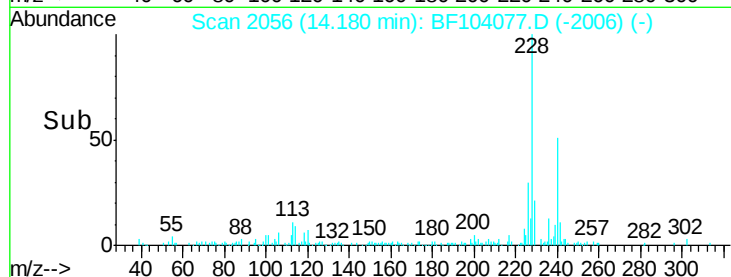
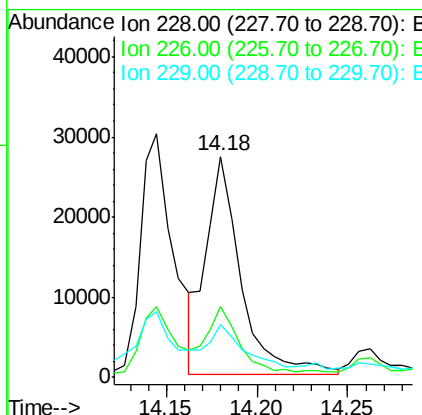
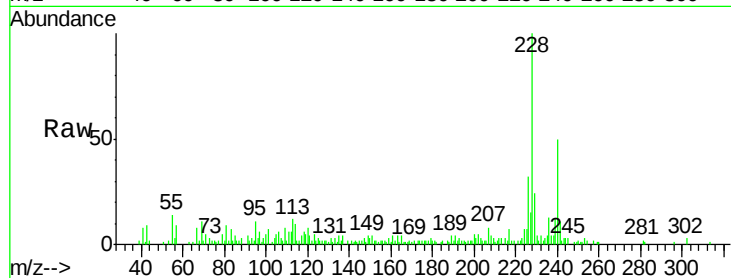




#82
Chrysene
Concen: 2.492 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

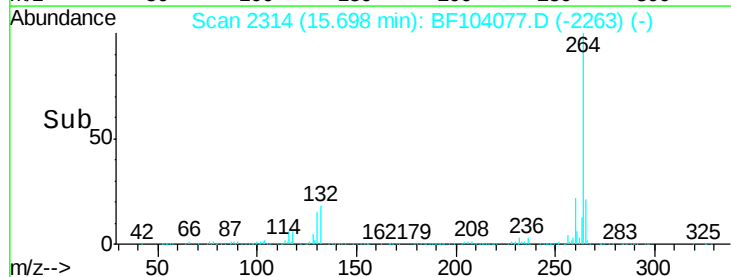
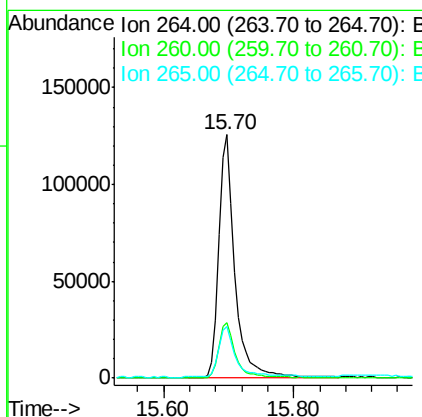
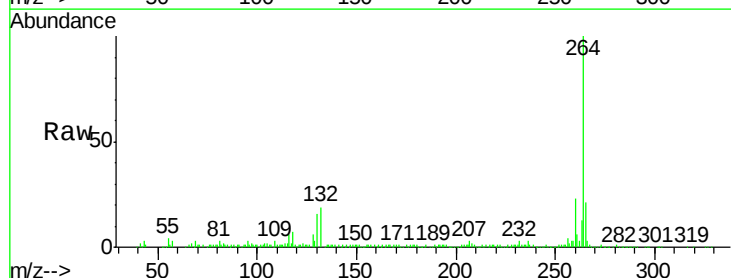
Instrument :
BNA_F
ClientSampleId :

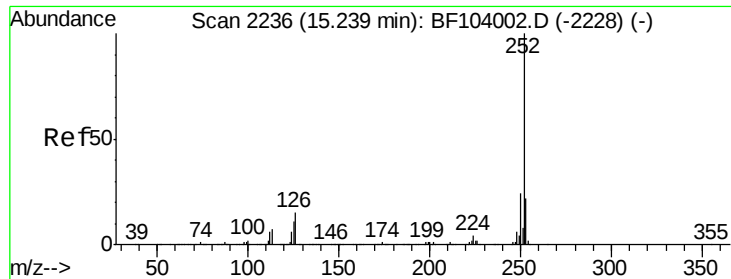
Tot Ion:228 Resp: 36597
Ion Ratio Lower Upper
228 100
226 31.9 25.0 37.6
229 24.2 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

Tgt Ion:264 Resp: 217369
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 21.4 17.5 26.3

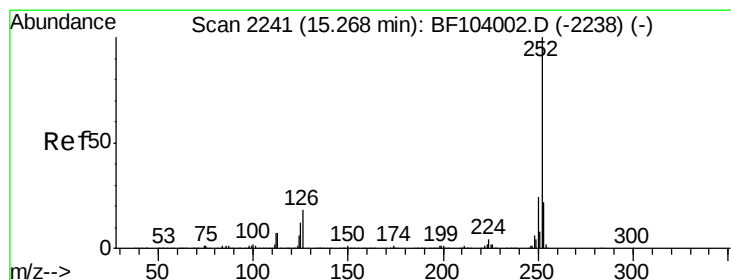
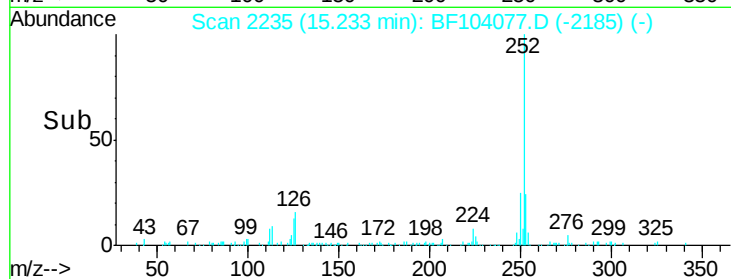
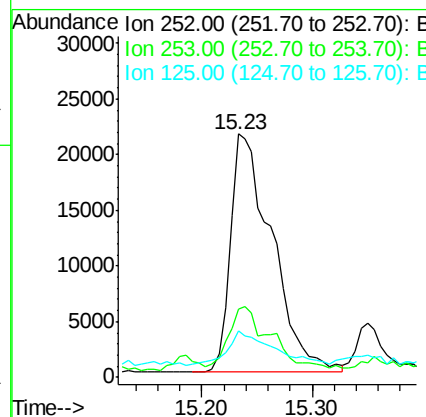
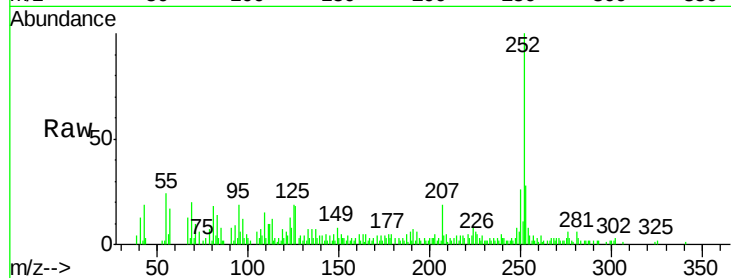




#87
Benzo(b)fluoranthene
Concen: 4.236 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

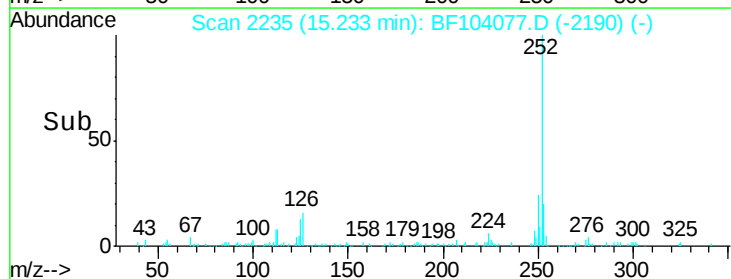
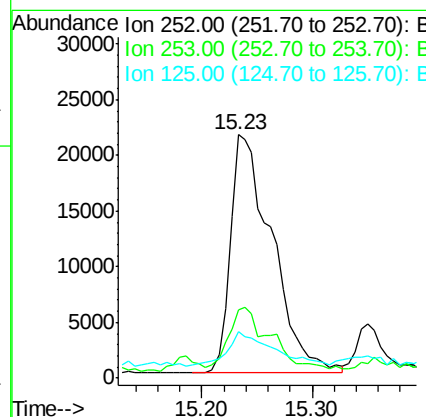
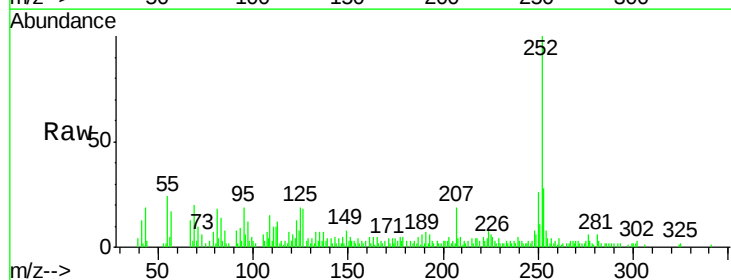
Instrument :
BNA_F
ClientSampleId :

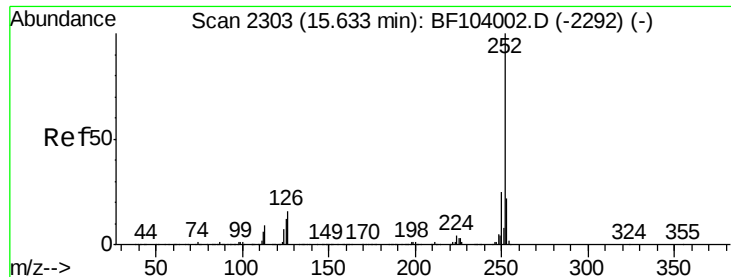
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.0	25.6#
125	19.1	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 4.497 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF104077.D
Acq: 30 Mar 2018 3:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.9	26.9#
125	19.1	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 2.675 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.00 min

Lab File: BF104077.D

Acq: 30 Mar 2018 3:58

Instrument :

BNA_F

ClientSampleId :

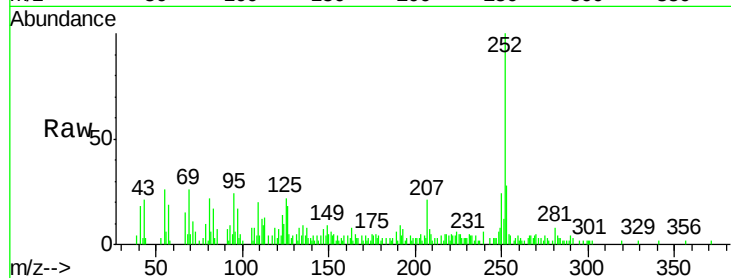
Tot Ion:252 Resp: 32791

Ion Ratio Lower Upper

252 100

253 28.0 17.1 25.7#

125 22.1 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

